

10/537478

JC17 Rec'd PCT/PTO 03 JUN 2005

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Appln No. : To be assigned (U.S.  
National Phase of  
PCT/JP03/15445  
filed 12/2/03)

Applicant(s): Bunshi FUUGETSU

Filed : CONCOMITANTLY HERewith

For : NANOCARBON SOLUBILIZER,  
METHOD FOR PURIFYING SAME,  
AND METHOD FOR PRODUCING  
HIGH-PURITY NANOCARBON

Art Unit :

Examiner :

Docket No. : 05345/MJC

Confirm. No.:

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Express Mail Mailing Label  
No.: EV 701 316 632 US  
Date of Deposit: June 3, 2005

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*Laraine Dobies*  
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**INFORMATION DISCLOSURE STATEMENT  
FILED CONCOMITANT WITH NATIONAL  
PHASE PCT APPLICATION**

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S I R :

Submitted herewith are the following:

- (1) Copy of International Search Report issued in the  
above-referenced PCT application;
- (2) Copies of the cited publications are not enclosed  
herewith (this is a PCT national phase application),  
except for the three Japanese Patents for which English  
language Abstracts are enclosed; and
- (3) Forms PTO/SB/08A and PTO/SB/08B. It is requested that  
an initialed copy of the forms PTO/SB/08A and

/Daniel McCracken/

05/22/2008

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.M./

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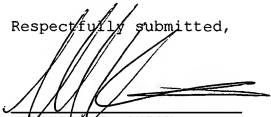
PTO/SB/08B be returned to indicate that the  
publications listed therein have been considered and  
made of record.

Each of the cited publications is considered relevant or  
material to the patentability of the present invention in view of  
the citation thereof in said communication and for the reasons  
stated in said communication.

It is therefore respectfully requested that the listed  
publications be considered and made "of record".

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Respectfully submitted,

  
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/Daniel Mccracken/

05/22/2008

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|-----------------------------------------------------------------------------------------------|---|----|---|------------------------|-----------------|
| Substitute for Form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application Number     | 10537478        |
|                                                                                               |   |    |   | Filing Date            | Herewith        |
|                                                                                               |   |    |   | First Named Inventor   | Bunshi FUUGETSU |
|                                                                                               |   |    |   | Group Art Unit         |                 |
|                                                                                               |   |    |   | Examiner Name          |                 |
| Sheet                                                                                         | 1 | of | 2 | Attorney Docket Number | 05345/MJC       |

## U.S. PATENT DOCUMENTS

| Exam.<br>Inits <sup>1</sup> | Cite<br>No <sup>2</sup> | Document Number | Kind<br>Code <sup>3</sup> | Name of Patentee or<br>Applicant | Publication<br>Date MM-DD-YYYY | Relevant<br>Portion |
|-----------------------------|-------------------------|-----------------|---------------------------|----------------------------------|--------------------------------|---------------------|
|                             |                         |                 |                           |                                  |                                |                     |

## FOREIGN PATENT DOCUMENTS

| Exam.<br>Inits <sup>1</sup> | Cite<br>No <sup>2</sup> | Offc <sup>3</sup>  | Document Number <sup>4</sup> | Kind<br>Code <sup>5</sup> | Name of Patentee or<br>Applicant | Publication<br>Date MM-DD-YYYY | Relevant<br>Portion | T <sup>6</sup> |
|-----------------------------|-------------------------|--------------------|------------------------------|---------------------------|----------------------------------|--------------------------------|---------------------|----------------|
|                             |                         | JP                 | 06-228824                    | B2                        | NEC CORP.                        | 08-16-1994                     |                     | *              |
|                             |                         | JP                 | 8-198611                     | A                         | NEC CORP.                        | 08-06-1996                     |                     | **             |
|                             |                         | JP                 | 2001-48511                   | A                         | RICOH CO. LTD.                   | 02-20-2001                     |                     | **             |
| Examiner<br>Signature       |                         | /Daniel McCracken/ |                              |                           | Date<br>Considered               | 05/22/2008                     |                     |                |

<sup>1</sup> EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

\* English Language Abstract of Publication of Japanese Patent No. 2522469, May 31, 1996.  
\*\* English Language Abstract

DATE MAILED: June 3, 2005

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|-----------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|-----------------|----------------|
| Substitute for Form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Application Number   |                        | 10/537478       |                |
|                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Filing Date          |                        | Herewith        |                |
|                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | First Named Inventor |                        | Bunshi FUUGETSU |                |
|                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Group Art Unit       |                        |                 |                |
|                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Examiner Name        |                        |                 |                |
| Sheet                                                                                         | 2                     | of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                    | Attorney Docket Number |                 | 05345/MJC      |
| <b>OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS</b>                                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                        |                 |                |
| Examiner Initials <sup>1</sup>                                                                | Cite No. <sup>1</sup> | Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                        |                 | T <sup>2</sup> |
|                                                                                               |                       | J-M. BONARD et al., "Purification and Size-Selection of Carbon Nanotubes," <u>ADVANCED MATERIALS</u> , 1997, Vol. 9, No. 10, pages 827 to 831<br><br>G.S. DUESBERG et al., "Chromatography of Carbon Nanotubes," <u>SYNTHETIC METALS</u> , 1999, Vol. 103, pages 2484 to 2485<br><br>N. NAKASHIMA et al., "DNA Dissolves Single-walled Carbon Nanotubes in Water," <u>Chemistry Letters</u> , 05 May, 2003, Vol. 32, No. 5, pages 456 to 457<br><br>Shingo OKUZONO et al., "DNA Kayoka Cabon Nanotube Kozo to Tokushei," <u>Polymer Preprints</u> , Japan Yokoshu, 10 September, 2003, Vol. 52, No. 13, pages 3732 to 3733 |                      |                        |                 |                |
| Examiner Signature                                                                            |                       | /Daniel McCracken/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      | Date Considered        |                 | 05/22/2008     |

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